

Product Evaluation

RV61 | 0519

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: RV-61

Effective Date: May 1, 2019

Re-evaluation Date: May 2023

Product Name: Master Flow® Attic Exhaust Vent IR61-Slant-Back Plastic Roof Louver; Master Flow® Attic Exhaust Vent IR65-Slant-Back Plastic Roof Louver; Master Flow® Attic Exhaust Vent RT65-Square-Top Plastic Roof Louver

Manufacturer: GAF
1 Campus Drive
Parsippany, NJ 07054
(800) 766-3411

General Description:

The ventilators specified in this product evaluation consist of plastic roof louvers. The model and type of louvers are as shown below:

Master Flow® Attic Exhaust Vent IR61-Slant-Back Plastic Roof Louver: A slant-backed natural air flow ventilator made of high impact resin designed for installation on sloping surfaces. The ventilator rises 3" off the roof for an upper low profile and has 37 square inches of net free ventilating area. The ventilator measures 18" x 18" and has flashing with predrilled nail holes and a built-in screen.

Master Flow® Attic Exhaust Vent IR65-Slant-Back Plastic Roof Louver: A slant-backed natural air flow ventilator made of high impact resin designed for installation on sloping surfaces. The

ventilator rises 5-7/8" off the roof and has 65 square inches of net free ventilating area. The ventilator measures 20.43" x 18" and has flashing with predrilled nail holes and a built-in screen.

Master Flow® Exhaust Vent RT65-Square-Top Plastic Roof Louver: A square top natural air flow ventilator made of high impact resin designed for installation on sloping surfaces. The ventilator has a 4" rise off the roof and has 60 square inches of net free ventilating area. The ventilator measures 18.5" x 18" and has flashing with predrilled nail holes and a built-in screen.

Limitations:

Design Pressures

Ventilator Model	Design Pressure
Master Flow® Exhaust Vent IR61-Slant-Back Plastic Roof Louver	-140 psf
Master Flow® Exhaust Vent IR65-Slant-Back Plastic Roof Louver	-200 psf
Master Flow® Exhaust Vent RT65-Square-Top Plastic Roof Louver	-200 psf

Roof Slopes: The minimum roof slope must not be less than 3:12. The maximum roof slope must not exceed 12:12.

Installation:

General Installation Instructions:

Satisfy all requirements specified in the IRC and the IBC, and follow the manufacturer's installation instructions, unless otherwise specified by this product evaluation.

Roof Deck: The roof deck must consist of wood structural panels (plywood or OSB) with a minimum thickness of 7/16".

Installation: Roll back shingles and remove all nails. Separate each layer of shingles around the perimeter of the roof hole. Insert the vent flashing under the upper shingles, trim if necessary. Apply silicone caulk or urethane sealant between each layer of shingles at the cut edge of the vent openings and between the vent flanges and the shingle surface.

The vent flashing is secured to the deck with minimum eight, 11-gauge smooth shank galvanized roofing nails (1/8" shank diameter, 3/8" diameter head), 1-1/4" length. Use fasteners long enough to penetrate a minimum 3/4" into or through the roof sheathing. Place the fasteners approximately 6" on center along the perimeter of the flashing in the pre-drilled holes. Use fasteners long enough to penetrate a minimum 3/4" into or through the roof sheathing. Coat all seams, screws, rivets, and nail heads with silicone caulk or urethane sealant.

Note: Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.